

**Scanned Datasheet**

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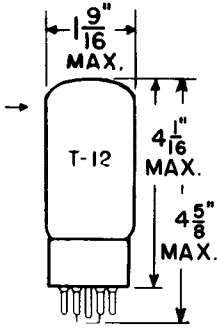
**Resources**

[Datasheet Archive - Datasheet & Application Note Search Engine](#)

[SupplyFrame - Datasheet & Application Note Search Engine](#)

**TUNG-SOL**

**DOUBLE DIODE**

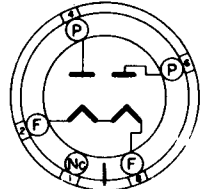


**GLASS BULB**

COATED FILAMENT

5.0 VOLTS 3.0 AMP.  
AC OR DC

VERTICAL MOUNTING POSITION  
HORIZONTAL OPERATION IS PERMITTED  
IF PINS 1 AND 4 ARE IN A VERTICAL  
PLANE.



**BOTTOM VIEW**  
MEDIUM SHELL  
5 PIN OCTAL

5T

THE 5U4GB IS A FILAMENTARY FULL-WAVE HIGH VACUUM RECTIFIER DESIGNED FOR USE IN THE POWER SUPPLY OF TELEVISION RECEIVERS AND OTHER EQUIPMENT WHICH HAS HIGH OUTPUT CURRENT REQUIREMENTS. IT IS A REPLACEMENT FOR THE 5U4G; HOWEVER, THE 5U4GB HAS A STRAIGHT SIDED T-12 ENVELOPE AND HAS HIGHER CURRENT RATINGS THAN THE 5U4G.

**RATINGS**

INTERPRETED ACCORDING TO DESIGN CENTER SYSTEM

RECTIFIER SERVICE<sup>A</sup>

FILAMENT VOLTAGE	5.0	VOLTS
MAXIMUM PEAK INVERSE PLATE VOLTAGE	1550	VOLTS
MAXIMUM PLATE SUPPLY VOLTAGE (EACH PLATE) RMS (SEE RATING CHART #1)	550	VOLTS
MAXIMUM DC OUTPUT CURRENT (SEE RATING CHART #1)	---	
MAXIMUM STEADY STATE PEAK PLATE CURRENT (EACH PLATE) (SEE RATING CHART #2)	1.0	AMP.
MAXIMUM TRANSIENT PEAK PLATE CURRENT (EACH PLATE) (SEE RATING CHART #3)	4.6	AMP
TUBE VOLTAGE DROP		
TUBE CONDUCTING: 225 MA. EACH PLATE	44	VOLTS
275 MA. EACH PLATE	50	VOLTS
300 MA. EACH PLATE	54	VOLTS

<sup>A</sup> FOR USE WITH SINUSOIDAL SUPPLY VOLTAGES WITHIN THE FREQUENCY RANGE OF 25 TO 1000 CYCLES PER SECOND.

→ INDICATES A CHANGE.

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**TUNG-SOL**

**TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS**

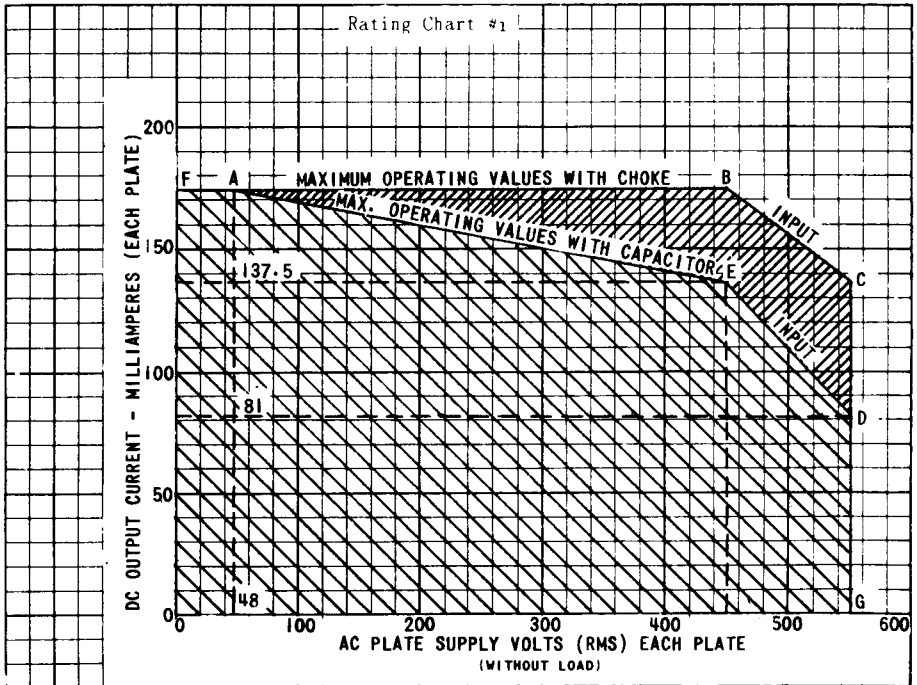
FULL-WAVE RECTIFIER - CAPACITOR INPUT FILTER

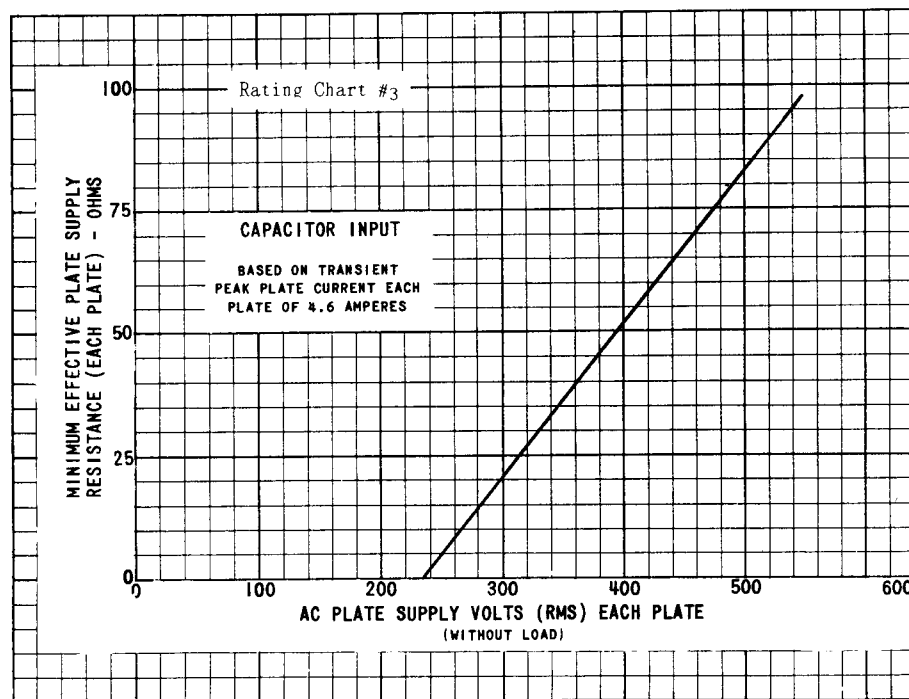
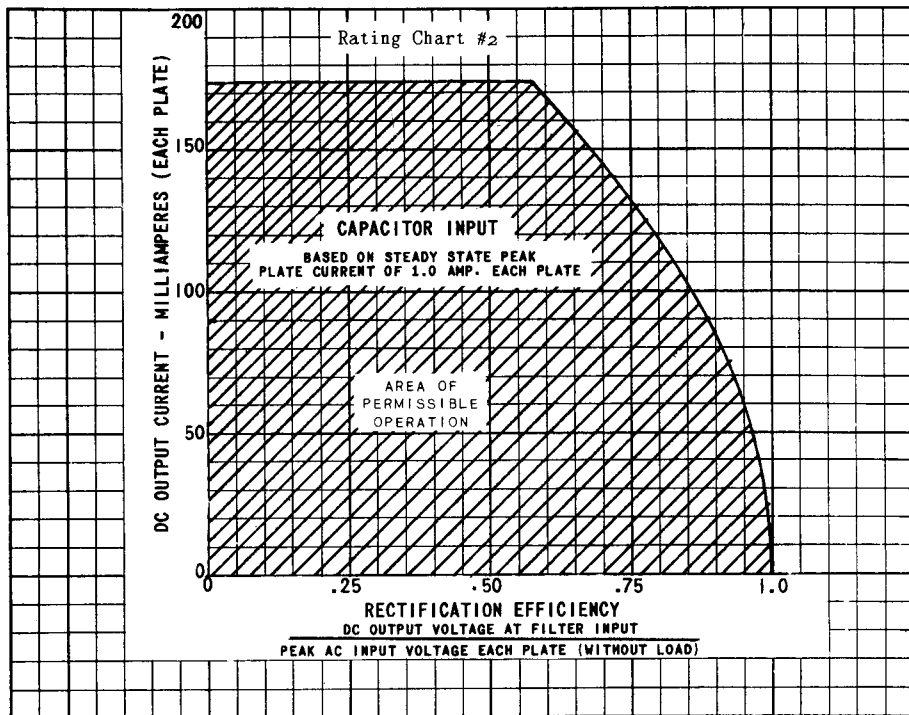
FILAMENT VOLTAGE	5.0	VOLTS
FILAMENT CURRENT	3.0	AMP.
AC PLATE SUPPLY VOLTAGE (EACH PLATE) RMS <sup>B</sup>	300 450	VOLTS
FILTER INPUT CAPACITOR	40 40	$\mu$ f
EFFECTIVE PLATE-SUPPLY RESISTANCE (EACH PLATE)	21 67	OHMS
DC OUTPUT CURRENT	300 275	MA.
DC OUTPUT VOLTAGE AT FILTER INPUT	290 460	VOLTS

FULL-WAVE RECTIFIER - CHOKE INPUT FILTER

FILAMENT VOLTAGE	5.0	VOLTS
FILAMENT CURRENT	3.0	AMP.
AC PLATE SUPPLY VOLTAGE (EACH PLATE) RMS <sup>B</sup>	550	VOLTS
FILTER INPUT CHOKE	10	HENRYS
DC OUTPUT CURRENT	275	MA.
DC OUTPUT VOLTAGE AT FILTER INPUT	420	VOLTS

<sup>B</sup> AC PLATE VOLTAGE IS MEASURED WITHOUT LOAD.





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